

KE-FILED

FILE NOTATIONS

Entered in NID File ✓
Location Map Pinned ✓
Card Indexed ✓

Checked by Chief *QMB*
Approval Letter *10-16-70*
Disapproval Letter

6-17-71

COMPLETION DATA:

te Well Completed
..... WW..... TA.....
..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
HC Sonic GR..... Lat..... MI-L..... Sonic.....
CBLog..... CCLog..... Others.....

Approval Granted in Accordance With Rule 33(c)

Approval Terminated on 1-15-71

Application Re. ~~XXX~~ Filed on 6-17-71

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface

NW NE - 585' f/North & 2410' f/East lines Sec. 2

At proposed prod. zone

Same

NWNWNE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

585' f/lse line

16. NO. OF ACRES IN LEASE

638.68 Ac.

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.4300' N f/
Well #1

19. PROPOSED DEPTH

7300'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

8417' GL, ungraded

22. APPROX. DATE WORK WILL START*

Dirt work - When appl
received

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	32.3#	300'	300 sx (Cmt btm to top)
8-3/4"	7"	20#	3600'	125 sx (Set if required)
6-1/8"	4-1/2"	10.5#	Total depth	250 sx.

It is proposed to drill well, using air, to depth sufficient to test the Dakota-Cedar Mountain formation. Anticipated Dakota top is 6915'. 9-5/8" casing will be set at approx 300' and cmtd btm to top; 7"OD casing (intermediate) will be set only if required for continued air drilling; at T.D., will log; if productive, set 4-1/2"OD casing with sufficient cement to protect all zone(s); productive zone(s) will be perforated, treated if necessary, and well completed.

..Due to the mountainous and rough terrain, an exception to State of Utah Oil & Gas Conservation Commission Rule C-3, Well Spacing Requirements, is hereby requested. Atlantic Richfield is the owner of lands comprising Sec. 34,35,36- T15S - 25E, and Sec. 1,2,3,-T16S- R25E, Grand County, Utah. The proposed location complies with Cause No. 107-1, which provides for spacing in Sec. 11 & 12-16S-25E, among other lands, which are the closest spaced lands. The proposed location is approx. 4300' north of Bitter Creek #1. ACK CMB

Certified location plat attached.

Info copy sent to Mr. Daniels, U.S.G.S.
Salt Lake City, Utah meb

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

W. A. Walther, Jr.

(This space for Federal or State office use)

TITLE Dist. Prod'n. & Drlg. Supt. DATE 10/14/70

PERMIT NO.

48-019-30061

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

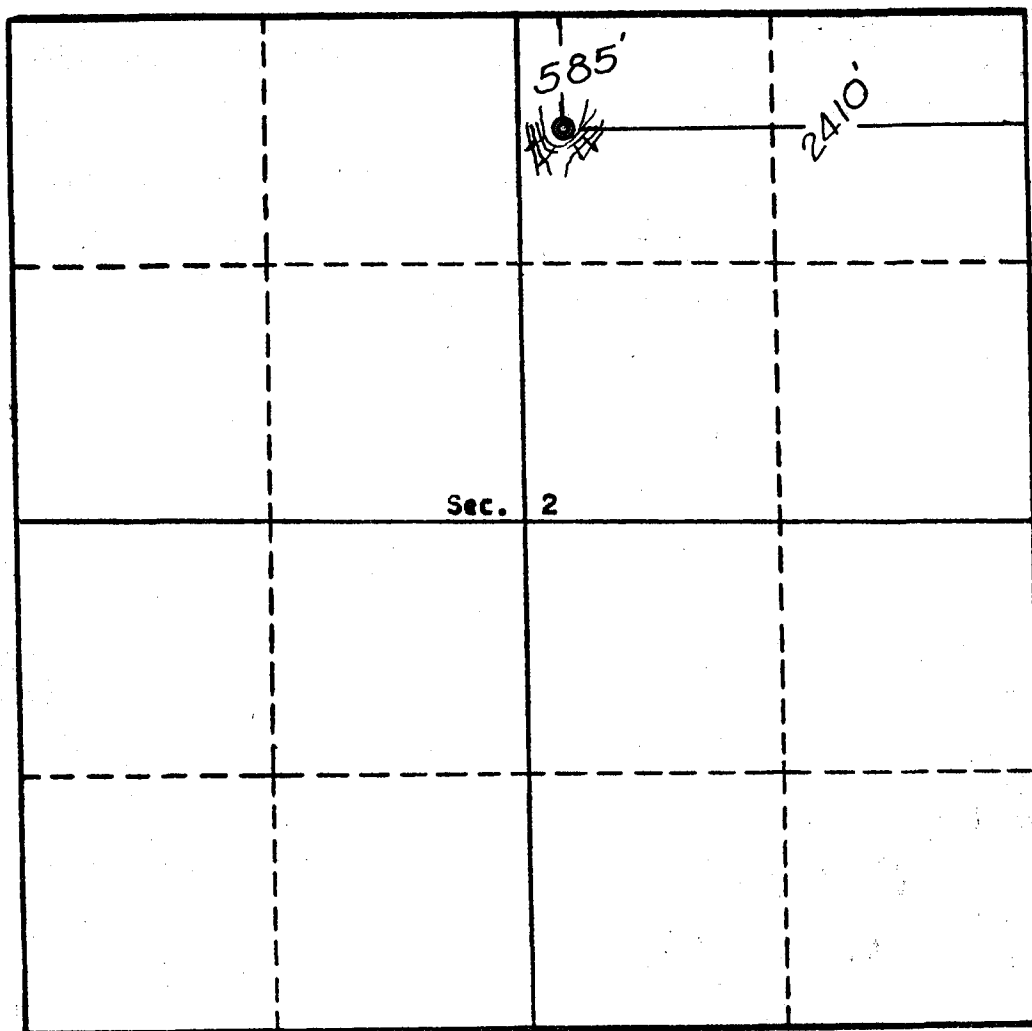
Company ATLANTIC RICHFIELD COMPANY

Well Name & No. Bitter Creek #2

Location 585 feet from the North line and 2410 feet from the East line.

Sec. 2, T. 16 S., R. 25 E., S. L. M., County Grand, Utah

Ground Elevation 8417



Scale, 1 inch = 1,000 feet

Surveyed October 9, 1970

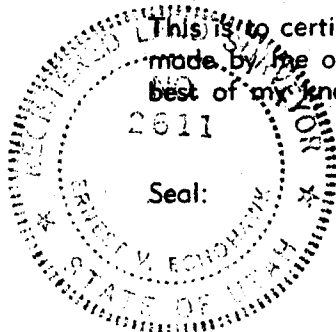
This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.

2611

Seal:

E. V. Echohawk

Ernest V. Echohawk
Registered Land Surveyor
Utah Registration No. 2611



October 16, 1970

Atlantic Richfield Company
501 Lincoln Tower Building
Denver, Colorado 80203

Re: Well No. Bitter Creek St. #2
Sec. 2, T. 16 S, R. 25 E,
Grand County, Utah
API No. 43-019-30061

Gentlemen:

Insofar as this office is concerned, approval to drill the above mentioned well on said unorthodox location, is hereby granted in accordance with Rule C-3(c).

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL-Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation with regard to this request will be greatly appreciated.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: Division of State Lands

January 15, 1971

Atlantic Richfield Company
501 Lincoln Tower Building
Denver, Colorado

Re: Well No's. Federal #1-12
Sec. 1, T. 16 S, R. 25 E,
Bitter Creek State #2
Sec. 2, T. 16 S, R. 25 E,
Grand County, Utah

Gentlemen:

Approval to drill the above mentioned wells, granted in our letters of September 16, 1970 and October 16, 1970, is hereby terminated for failure to spud-in within the time prescribed.

If and when you should decide to drill these wells, it will be necessary for you to again obtain the approval of this Division.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd

cc: U.S. Geological Survey
Division of State Lands

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

NW NE - 585' f/North & 2410' f/East lines Sec. 2

At proposed prod. zone

Same

NW NE

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

--

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

585' f/lse line

16. NO. OF ACRES IN LEASE

638.68 Ac.

17. NO. OF ACRES ASSIGNED
TO THIS WELL

--

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

4300' N f/

Well #1

19. PROPOSED DEPTH

7300'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

8417' GL, ungraded

22. APPROX. DATE WORK WILL START*

Dirt Work - When appl rec'd.

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13-3/4"	9-5/8"	32.3#	300'	300 Sx (Cmt btm to top)
8-3/4"	7"	20#	3600'	125 Sx (Set if required)
6-1/8"	4-1/2"	10.5#	Total depth	250 sx

It is proposed to drill well, using air, to depth sufficient to test the Dakota-Cedar Mountain formation. Anticipated Dakota top-6915'. 9-5/8" casing will be set at approx 300' and cmt'd btm to top; 7"OD casing (intermediate) will be set only if required f/cont'd air drilling; at T.D., will log; if productive, set 4-1/2"OD casing with sufficient cement to protect all zone(s); productive zone(s) will be perforated, treated if necessary, and well completed.

Due to the mountainous and rough terrain, an exception to State of Utah Oil & Gas Cons. Comm. Rule C-3, Well Spacing Requirements, is hereby requested. Atlantic Richfield is the owner of lands comprising Sec. 34,35,36-T15S-25E, and Sec. 1,2,3-T16S-25E, Grand County, Utah. The proposed location complies with Cause No. 107-1, which provides for spacing in Sec. 11 & 12-16S-25E, among other lands, which are the closest spaced lands. The proposed location is approx. 4300' north of Bitter Creek #1.

Certified location plat attached.

OVER

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

W. A. Walther, Jr.

TITLE Dist. Prod'n & Drlg Supt.

DATE June 15, 1971

(This space for Federal or State office use)

PERMIT NO.

13-019-300511

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-711-996

839-171

Initial application to drill this well was dated Oct. 14, 1970, and the application approved by Mr. C. B. Feight's letter of October 16, 1970. Due to lateness of the year, drilling has been deferred, and the approval was subsequently terminated by Mr. Feight's letter of January 15, 1971.

JUN 17 1971

June 17, 1971

Atlantic Richfield Company
501 Lincoln Tower Building
Denver, Colorado 80203

Re: Bitter Creek State #2
Sec. 2, T. 16 S, R. 25 E,
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL-Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

This approval terminates within 90 days if the well has not been spudded-in within said period.

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling.

The API number of 43-019-30061, given this well in our letter of October 16, 1970, will remain the same.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

WBF:sd

cc: Division of State Lands

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.5. LEASE DESIGNATION AND SERIAL NO.
State Land - ML 25151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Atlantic Richfield Company	8. FARM OR LEASE NAME Bitter Creek
3. ADDRESS OF OPERATOR 501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo 80203	9. WELL NO. 2
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE - 585' f/North & 2410' f/East lines Sec. 2	10. FIELD AND POOL, OR WILDCAT Overlook Area
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 2-16S-25E, 11M
14. PERMIT NO. Cleen B. Feight 6-17-71	12. COUNTY OR PARISH Grand County
15. ELEVATIONS (Show whether DF, RT, GR, etc.) GL - 8417'. KB - 8428'	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Cementing 9-5/8" casing	
(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7- 6-71 Spudded 10:00 A.M. , drilling 13-3/4" hole.

7- 7-71 Having drilled 13-3/4" hole to 335', Ran 10 jts. 9-5/8" OD casing 32.3# H-40 ST&C Republic casing w/Howee guide shoe & float collar, set @ 328' w/300 sx Class "G" cement, 3% CaCl, cement circulated. PD 6:50 P.M.

7- 8-71 WOC.

7- 9-71 Tested 9-5/8" casing & blewout preventers w/1200 p.s.i. for 30 mins., O.K.

7-15-71 Drilling ahead w/air mist -- 8-3/4" hole @ 3325'.

18. I hereby certify that the foregoing is true and correct

SIGNED

W. A. Walther, Jr.

TITLE

Dist. Prod. & Drlg. Supt.

DATE

7-15-71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

State Land - ML 25151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR Atlantic Richfield Company		8. FARM OR LEASE NAME Bitter Creek	
3. ADDRESS OF OPERATOR 501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203		9. WELL NO. 2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE - 585' f/North & 2410' f/East lines Sec. 2		10. FIELD AND POOL, OR WILDCAT Overlook Area	
14. PERMIT NO. Mr. C.B. Feight 6/17/71		12. COUNTY OR PARISH Grand	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8417' GK; 8428' KB		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input checked="" type="checkbox"/> Setting 7" casing	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled 8-3/4" hole to 3850'. Set 94 jts 7"OD 20# K-55 ST&C casing, 3836.30', at 3850' KB, cemented with 150 sx Class "G" cement, 2% CaCl, good returns while cementing, Plug down 8:30 a.m. 7/19/71. WOC. Hung casing, nipples up BOP. Tested casing and BOP @ 1000# f/ 30 min., held O.K.. Drilled out 6 p.m. 7/20/71 using air.

7/21/71 Drilling ahead w/ air at 4072'.

18. I hereby certify that the foregoing is true and correct

SIGNED M. E. Brown
M. E. BrownTITLE Drilling ClerkDATE 7/21/71

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE _____

*See Instructions on Reverse Side

FORM OGC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number BITTER CREEK NO. 2
Operator Atlantic Richfield Company Address 501 Lincoln Tower Bldg. Denver, Colo., 80203 Phone 266-2460
Contractor Willard Pease Drilling Co. Address Grand Junction, Colo. Phone 242-6912
Location NW 1/4 NE 1/4 Sec. 2 T. 16 S. R. 25 E Grand County, Utah

Water Sands:

<u>Depth</u>	<u>Volume</u>	<u>Quality</u>	
From	To	Flow Rate or Head	Fresh or Salty
1.			
2.			
3.			
4.			
5.			

(Continue on reverse side if necessary)

Formation Tops: Negligible water was encountered.

Remarks:

- NOTE:
- (a) Upon diminishing supply forms, please inform this office.
 - (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
 - (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

Aug 10, 1971

Bill Larton (in Groungetta)
Alonti Richfield

505 325-7527
or 6063

Butte Creek #2 - State

585' FNL 2410 FE 2

sec 2 16 S 25 E Grand

9⁵/₈ of 328' (Conec circ.)

328 to 590 air drill

590 - 3850 mud

7" @ 3850/150 sb up \approx 900' to 3000

air = 6¹/₄" hob to 7825

mud = " to 8289 T.D.

1 DST 8060 to 8105 Entials = recovered 935'
(waiting on logs) of fluids
or 135 sb/hr
muddy with
5 min blow only

Cottlegut - 3650 (7" gal top)

Dakota salt - 7230

Dakota - 7312

Ada Mtn - 7400

Merrim - 7550

Salt Wash SS - 7740

Entials - 8046

(In bench) - 8198

8289 - T.D.

$6\frac{1}{4}"$ hole = 20 sp/100'
Calypso

- ① 100' cement plug across top of Entals
- ② 100' cement plug " " of Morrison
- ③ ~~150'~~ 150' cement plug " " top of Dakota

~~7400 to 7500~~

and catch some Col M

$$\begin{array}{r} 7400 \\ 7420 - 7270 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 7420 \\ 7270 \\ \hline 150 \end{array}$$

- ④ 100' at base of 7"
75% inside casing

- ⑤ weld on / marker
sweat
valve

"Might want to re-enter"

PMB

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.

State Land - ML 25151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

--

7. UNIT AGREEMENT NAME

--

8. FARM OR LEASE NAME

Bitter Creek

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Overlook Area

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 2-16S-25E, SIM

12. COUNTY OR PARISH

Grand

13. STATE

Utah

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Atlantic Richfield Company

3. ADDRESS OF OPERATOR

501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)

At surface

NW NE - 585' f/North & 2410' f/East lines Sec. 2

14. PERMIT NO.

Mr. C.B. Feight, 6/17/71

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

8417' GL, 8428' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☒

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Drilled to 8105'. Ran DST #1, 8060-8105', Entrada, 800' wtr cushion. Open 5" w/weak blow, SI 45", open 45" w/ no blow, SI 45", final open 30", final SI 45". Rec'd 800' WC, 135' MW. 5" IF 403#, 45" ISIP 1962#, 45" 2nd FP 403#, 45" 2nd SIP 1786#, 30" FFP 416#, 45" FSIP 1736#, IH 3911#, FH 3811#, BHT 184°; Sampler: 40#, 1850 cc MW, no gas, no water,

Drilled to TD 8289'. Ran logs. Log tops: Dakota Fm 7312', Cedar Mountain 7404', Morrison 7480', Entrada 8046'. WLTD 8291'.

DST #2, 8110-8291 (WLTD), Entrada, Open 5" w/ gd blow, SI 45", 2nd flow 45" w/ gd blow, SI 60", final open 60" w/ gd blow, Final SI 90". Rec'd 307' DM, 615' G&MCW, 2720' GCW. IH 4021#, 5" IF 416#, 45" ISI 1852#, 45" 2nd FP 1332#, 60" 2nd SI 1801#, 60" FF 1682#, 90" FSIP 1839#, FH 3881#. BHT 186°. Sampler: 80#-.22 CFG, no oil, 2050 cc wtr.

Propose to plug and abandon setting 100' cement plug across top of Entrada (approx 8000'-8100'), 100' cement plug across top of Morrison (approx 7500-7600'), 150' cement plug across top of Dakota approx (7270-7420'), 100' cement plug in base of 7" casing (approx 3775-3875') weld steel plate on casing, install permanent marker, clean and level location.

Plugging procedure confirming verbal approval Mr. Paul Burchell to Mr. B. J. Sartain, August 10, 1971.

cc: Mr. Gerald Daniels - USGS

18. I hereby certify that the foregoing is true and correct

SIGNED

M. E. Brown

TITLE

Drilling Clerk

DATE

8/12/71

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

State Land - ML 25151

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bitter Creek

9. WELL NO.

2

10. FIELD AND POOL, OR WILDCAT

Overlook Area

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

Sec. 2-16S-25E, S1M

12. COUNTY OR PARISH

Grand

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Dry hole	
2. NAME OF OPERATOR Atlantic Richfield Company	
3. ADDRESS OF OPERATOR 501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo. 80203	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NE - 585' f/North & 2410' f/East lines Sec. 2	
14. PERMIT NO. Mr. Feight, 6/17/71	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 8417' GL, 8428' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 8289' - Driller
8291' - Wire Line

Spotted 19 sack cement plugs 8100-8000' and 7600-7500', 65 sack plug 6270-7420', and 50 sack plug 3660-3880'. Welded steel plate on casing, with regulation dry hole marker. Cleaned and leveled location, and seeded with wheat grass.

PLUGGED AND ABANDONED AND LOCATION CLEAN, LEVELED, AND SEEDED 8/23/71

18. I hereby certify that the foregoing is true and correct

SIGNED

M. E. Brown

TITLE Drilling Clerk

DATE 8/30/71

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input checked="" type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other _____
2. NAME OF OPERATOR						7. UNIT AGREEMENT NAME	
Atlantic Richfield Company						Bitter Creek	
3. ADDRESS OF OPERATOR						8. WELL NO.	
501 Lincoln Tower Bldg., 1860 Lincoln St., Denver, Colo., 80203						2	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*						10. FIELD AND POOL, OR WILDCAT	
At surface NW NE - 585' f/North & 2410' f/East lines Sec. 2						Overlook Area	
At top prod. interval reported below						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA	
At total depth						Sec. 2-16S-25E, SLM	
14. PERMIT NO.				DATE ISSUED			
Mr. Feight				6/17/71			
15. DATE SPUDDED		16. DATE T.D. REACHED		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, REB, RT, GR, ETC.)*	
7/6/71		8/9/71		8/12/71		8417'GL, 8428'KB	
20. TOTAL DEPTH, MD & TVD		21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY	
8289'		---		---		0 - 8289'	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*						25. WAS DIRECTIONAL SURVEY MADE	
None						No	
26. TYPE ELECTRIC AND OTHER LOGS RUN						27. WAS WELL CORED	
I-ES, GR-Compensated Formation, Density w/caliper						No	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
9-5/8"	32.3#	328'KB	13-3/4"	300 sx Class "G", 3% CaCl		None	
7"	20#	3850'	8-3/4"	150 sx Class "G", 2% CaCl		None	
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
None					None		
31. PERFORATION RECORD (Interval, size and number)					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		
None					None		
33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
		None					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS							
2 ea. of #26 Utah Fm OGC-8-X							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>M.E. Brown</u>		TITLE <u>Drilling Clerk</u>			DATE <u>8/31/71</u>		

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals; top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
DST #1 -	8060-8105',	Entrada, 800' wtr	cushion. Open 5" w/weak blow. SI 45", open 45" w/ no blow, SI 45", final open 30", final SI 45". Rec'd 800' WC, 135' MW. 5" IF 403#, 45" ISIP 1962#, 45" 2nd FP 403#, 45" 2nd SIP 1786#, 30" FFP 416#, 45" FSIP 1736#, IH 3914#, FH 3811#, BHT 184°; Sampler: 40#, 1850 cc MW, no gas, no water.
DST #2 -	8110-8291 (WLTD),	Entrada, open 5" w/ gd blow, SI 45", 2nd flow 45" w/ gd blow, SI 60", final open 60" w/ gd blow, Final SI 90". Rec'd 307' DM, 615' G&MCW, 2720' GCW. IH 4021#, 5" IF 416#, 45" ISI 1852#, 45" 2nd FP 1332#, 60" 2nd SI 1801#, 60" FF 1682#, 90" FSIP 1839#, FH 3881#. BHT 186°.	Sampler: 80#-.22 CFG, no oil, 2050 cc wtr.
Spotted 19 sack cement plugs 8100-8000' and 7600-7500', 65 sack plug 6270-7420', and 50 sack plug 3660-3880'. Welded steel plate on casing, with regulation dry hole marker. Cleaned and leveled location, and seeded with wheat grass.			
PLUGGED AND ABANDONED AND LOCATION CLEAN, LEVELED, AND SEEDED 8/23/71			

38.

GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Dakota	7312'	
Cedar Mountain	7404'	
Morrison	7480'	
Entrada	8046'	

SEP 7 1971